"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHATI, L.

Examination of the sinking of a drying building in a brick factory.

p. 316
Vol. 5, no. 7, July 1955
MELYEPITESTUDOMANYI SZEMLE.
Budapest

Source: Monthly list of East European Accessions, (EEAL), LC. VOL. 5 no. 2
Feb. 1956

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHATI, L.

"Properties of the Capillary Ascent on Double Folded Soil", p. 421 (MEZOGAZDASAGI SZEMLE, Vol. 3, no. 8/9, Aug./Sept. 1953, Budapest, Hungary).

Source: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

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RETHATI, L., cand. of techn.sc.

Capillary properties of soils. Acta techn Hung 29 no.1/2:153-182 '60. (EEAI 10:4)

1. Undertaking for Surveying and Soil Investigation, Budapest. (Soils) (Capillarity)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHATI, Laszlo, dr.

Water protection of cellars. Epites szemle 6 no.2:66-67 '62.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHAZI, Miklos

Experiences in the planning and introduction of an assembly line. Finommechanika 1 no.10:315-317 O '62.

1. Mechanikai Meromuszerek Gyara.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHELYI, Jeno, dr.

Ulcer of the greater curvature of the stomach. Orv. hetil. 95 no.25-26:701-708 24 June 54.

1. A csongrad megyei Tanacs Korhaz-rendelointezeti egyseg (igazgato: Bugyi Istvan dr. orvostudomanyok kandidatusa Rontgenintezetenek (foorvos: Udvardy Laszlo dr. orvostudomanyok kandidatusa) es Ulcusgondozojanak (vezeto: dr. Rathelyi Jeno) kozlemenye

(PEPTIC ULCER
greater curvature)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHELYI, Jeno, dr.

Role of x-ray in biliary surgery. Magy. sebesz. 15 no.6:375-382 D '62.

1. A Keszthelyi Jarasi Korhaz (Igazgato-foorvos: Szutrely Antal dr.) Rontgenlaboratoriumanak (Foorvos: Rethelyi Jeno dr.) kozlemenye.
(CHOLANGIOGRAPHY) (CHOLECYSTOGRAPHY)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

[illegible]

[illegible], Jano, Dr; Hospital of the Order Hrezmosky, X-Ray Laboratory (Zarad Kongr Hrezmosky, Rontgenlaboratorium)

"Wine Test Poisoning Diagnosed by X-Ray Examination."

Budapest, Orvosi Hetilap, Vol 103, No 9, 3 Mar 62, pages 293-294-296.
Summary

Abstract [Author's summary modified] Industrial lead poisoning cases caused by dubon petalum are described where X-ray results called attention to the poisoning. The symptoms were in agreement with those published in the literature. Health measures were taken to prevent [illegible] of occurrence. Exact working conditions must be given careful attention in the discovery of industrial lead poisoning.
[7 Hungarian & German references]

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHELYI, J.

RETHELYI, Jeno

Mechanism of duodenal perforation. Magy. radiol. 9 no.2:110-113 July 57.

1. A Kenzthelyi Jarasi Korhaz (igazgato: Szutrely Antanl dr.) rontgenlaboratoriumanak kozlemenye.

(DUODENUM, perf.
during radiography, pathomechanism (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

HUNGARY

VACZI, Lajos, and RETHY, Aladar, Institute of Microbiology at the Medical University (Director: VACZI, L.) in Debrecen; and KIRALY, Kalman, Research Institute of Dermatology and Venereology (Director: FOLDVARY, F.) in Budapest [original-language versions not given].

"Lipid Composition of Treponemal Strains"

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol 13, No 1, 2 Jun 1966, pp 79-84.

Abstract: [English article] The lipid composition of Treponema pallidum, T. reiteri, T. kazani 5, T. minutum, and T. refringentis has been investigated by thin-layer and gas-liquid chromatography by employing the test techniques described by VACZI, L., MAKLEIT, J. K., RETHY, A., and REDAI, I., Ibid., Vol 11, 1964-1965, p 384. The fatty-acid complement, similar in all strains, consisted mainly of palmitic, oleic, and oleinic acid. The phospholipid complement varied considerably between strains. The unsaturated fatty acid composition of the Treponema was very similar to that of Streptococci. The significance of the lipid component in cell metabolism was discussed. The results were presented. 8 references, including 1 Hungarian, 2 German, and 5 Western. (Manuscript received 7 Dec 1965).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, Aurel, Dr.

Supracommissural repair; hyo-epiglottic. Ful orr gegegyogy no.4:145-153 Dec 57.

1. A Pestmegyei Tanacs Semmelweis (Kokus) Korhaza Orr- , gegesebeszeti-e es bronchologiai Osztalyanak (foorvos: Dr. Rethi Aurel) koslemenye.
(LARYNX, stenosis
surg., supracommissural & hypo-epiglottic repair (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec 11 Vol.11/6 O.R.L. June 58

RETHI, A.

969. SURGICAL SEVERANCE OF CICATRICIAL VELOPHARYNGEAL ADHESIONS - Operative Lösung der velopharyngealen narbigen Verwachsungen - Réthi A. Nasen-Kehlkopf-Abt., Rochus-Semmelweis-Krankenh., Budapest - Z. LARYNG. RHINOL. OTOL. 1957, 36/8 (465-468) Illus. 6

In the control of not too wide velopharyngeal adhesions a triangular opening (apex upward) is made in the soft palate. The size of this opening is maintained. The headache disappears; respiration is restored to normal and rhinolalia aperta either does not occur or is hardly noticeable.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

989. PLASTIC SURGERY OF THE HYO-EPIGLOTTIC SUPRACOMMISSURE - Plastica supracommissuralis hyo-epiglottica - Réthi A. Rhinolaryngol. Abt., Semmelweis-Rochus-Krankenh., Budapest - Z. LARYNG. RHINOL. OTOL. 1957, 36/10 (561-570) Illus. 11

Thyrotomy achieves rapidly successful results in the treatment of laryngeal stenosis, except where extensive scarring in the region of the anterior commissure hinders the opening of the glottis. Scarring in this situation may give rise to respiratory obstruction after hemilaryngectomy. This may be avoided by extending the laryngofissure incision upwards to the hyoid. The lower third of the epiglottis is at the same time divided vertically. In order to prevent a recurrence of stenosis a skin flap from the neck is placed into the laryngeal lumen and secured to the epiglottic incision on the same side. This is followed by uneventful healing without danger of respiratory obstruction.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, A., Prof.

Emergency surgery for the relief of imminent suffocation. Ther. hung. 6 no.1:23 1958.

1. From the Department of Rhino-Laryngology (Head: Prof. Aurel Rethi) of the Semmelweis Hospital, Budapest.

(ASPHYXIA, surg.
tracheotomy, emergency technic)
(TRACHEA, surg.
tracheotomy, emergency technic in asphyxia)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec 11 Vol 9/4 O.R.L. Apr 56

699. PETHŐ A. Rhino-laryngol. Abt., Rochus-Krankenh., Budapest. *Eine neue operative Behandlung der beiderseitigen Paramedian-Stimmbandfixation mit einem Hinweis auf die Operation der narbigen Kehlkopfstenose. A new surgical technique for the treatment of bilateral fixation of the vocal cords in paramedian position, with reference to operation for cicatricial stenosis of the larynx Z. LARYNG. RHINOL. OTOL. 1955, 34/7 (464-472) Illus. 10

A description is given of a new technique for the surgical treatment of bilateral fixation of the vocal cords in paramedian position. The posterior aspect of the cricoid cartilage is divided exactly in the median line and the two halves are displaced laterally so as to expose the convex part of the hypopharynx and deeper, the oesophagus. The transverse muscle must be removed, but the posticus muscle is left in its place. A strip of mucosa remains between the two wounds. In the last phase of the operation, the laryngeal opening is closed by uniting the skin flaps and performing a plastic operation. This operation leaves the patient with good phonation in all cases where paralysis of the recurrens nerve or ankylosis due to paramedian fixation of the vocal cords necessitates surgical correction.

Porta - Parma

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec 11 Vol 9/1 O.R.L. ... Jan 56

68. RÉTHI A. Pest megyei Tanács Kórházának, Orr-gége Osztályáról. *Az aspirációs pneumonia megelözése bulbaris paralysisnél. The prevention of aspiration pneumonia in bulbar paralysis ORV. HETIL. 1955, 96/30 (817-820) Illus. 4

Chordopexy inhibited the development of aspiration pneumonia in cases of laryngeal and oral cancer and in bulbar paralysis. Molnár - Budapest

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec 11 Vol 9/5 O.R.L. May 56

867. RÉTHI A. Pestmegyei Tanács Kórháza Orr-Gége Osztályának közl. Pharyngocervicalis angiomatosis. Pharyngo-cervical angiomatosis ORV. HETIL. 1955, 96/52 (1433-1436) Illus. 5

Description of 4 cases in which diffuse cavernous angioma of the pharynx was accompanied by a marked ectasia of the cervical vessels. This pathological entity was similar to angiomas of several foci, namely angiomatoses such as those of the head which are well known. That is the reason why the author has termed this syndrome: pharyngo-cervical angiomatosis. According to the author the changes are dysplasias, not real tumours. The therapy of the syndrome was briefly discussed.

Molnár - Budapest

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

74. RÉTHI A. Nas.-Kehlkopf-Abt., Semmelweis-(Rochus-)Krankenh., Budapest. Schnelle Operation zur Verhütung der Erstickung und eine andere zur Beseitigung der laryngotrachealen Dyspnoe. Quick operation for the prevention of choking, and another operation to abolish laryngotracheal dyspnoea MSCHR. OHRENHEILK. 1956, 90/3 (184-187) Illus. 2

Two operations are described by which, in cases of imminent choking, direct life-saving help can be given. (1) An incision 8 to 10 mm. wide is made in the conical ligament; the cricoid cartilage in 2 places is cut through downwards and turned sidewards. The haemorrhage is usually not considerable and easy to control, the more so when an injury of the cricothyroid arteries can be avoided. In emergency cases, a kitchen-funnel can be used as a cannula. (2) In special cases (e.g. dyspnoea and marked haemorrhage), the incision is prolonged upwards to the hyoid bone, and an incision penetrating through the hyothyroid ligament and the epiglottal root is made in an upward direction. A König cannule is inserted suprathyroidally. When the acute danger is eliminated and quiet respiration ensured, either of these interventions can be followed by real tracheotomy and the remaining wound edges can be sutured together. In severe dyspnoea, where great difficulties are to be expected when tracheotomy is carried out, the insertion of a rubber tube through the glottis may supply air. The operations described may be used in plethoric individuals with a short neck, in enormous thyroid enlargement, cicatrization of the region of the neck after goitre operations, and malignant goitre. Malecki - Poznań

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, Aurel, dr.

Provision for the deglutition in cases of bulbar and hemibulbar paralysis. Ful-orr-gegegyogy 7 no.1:18-22 F '61.

1. A Pest megyei Tanacs Semmelweis (Rokus) Korhaza (Budapest) Orr-gegeosztalya (Foorvos: Rethi Aurel dr.) kozlemenye.
(PARALYSIS BULBAR surg)
(DEGLUTITION)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, Aurel

Blockade of the cervical sympathetic marginal trunk. Orv. hetil. 99 no.19: 640-642 11 May 58.

1. A Pestmegyei Tanacs, Semmelweis Korhaza (igazgato: Szemancsik Jano dr.) Orr-Gegeosztalyanak (foorvos: Rethi Aurel dr., az orvostudomanyok doktora) kozlemenye.

(ANESTHESIA, REGIONAL, in various dis.
sympathetic block at cervical marginal trunk in disord. of cervical sympathetic nerves (Hun))
(SYMPATHETIC NERVOUS SYSTEM, dis.
cervical, ther., sympathetic block at cervical marginal trunk (Hun))

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, Aurel, dr., az Orvostudomanyok doktora

Quick operative method for the prevention of suffocation.
Orv. hetil. 98 no.10-11:267-268 17 Mar 57.

1. A Semmelweis korhaz (igazgato: Szemantsik, Jeno, dr.)
Orr-, Gegeosztalyarol (foorvos: Rethi, Aurel, dr.) kozlemenye.
(ASPHYXIA, surg.
tracheotomy in prev. of suffocation, quick method
(Hun))
(TRACHEA, surg.
same))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

ACTA MEDICA Sec.II Vol.10/2 Oto-Rhino-Laryngo Feb57

RÉTHI A.

276. RÉTHI A. Tanács Kórháza, Pestmegyei. *A kétoldali paramedián hangszalag-fixatio új műtéti megoldása. New operative solution of bilateral paramedian fixation of the vocal cords FÜL-ORR-GÉGE-GY. 1955, 1 (8-13) Illus. 5

Bilateral paramedian position is characterized by a long-lasting inactive contraction state of the adductor muscles which undergo shrinkage and hereby give rise to the fixation of the vocal cords in this position. Earlier, the author extirpated the cicatrized adductors. The operation resulted in good respiration, whilst phonation took place by means of the false cords. The new procedure of the author is identical with that applied to cicatrizing laryngeal stenosis. After laryngofission, a median longitudinal incision is done on the mucosa of the posterior wall of the larynx and, for 2 cm. of the trachea. Beyond this incision, the posterior plate of the cricoid cartilage also is severed, and the two halves are, with proper hooks, pulled apart until the hypopharynx and the convex anterior wall of the gullet posteriorly appear. The transverse muscle is extirpated. The author's dilator is placed in for four weeks, then the stoma may be closed. Good respiration and voice result.

Réthi - Budapest

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EXCERPTA MEDICA Sec.11 Vol.10/5 Oto-Rhino-Laryngo Mayb'57

RETHI A.

957. RÉTHI A. Nasen-Kehlkopf-Abt., Semmelweis (Rochus)-Krankenh., Budapest.
* Operationen wegen entstellender Sattelnase. Operations for a disfiguring saddle-nose CHIRURG 1956, 27/8 (356-360) Illus. 10

The repair of a saddle-nose can be achieved in 2 ways. If the skin of the back of the nose is intact or only slightly scarred, the best correction of this defect is by a s.c. properly formed implant. According to his own experience the author recommends the autotransplantation of rib-cartilage. In a small deformation he uses an acrylate implant with the best success. When by trauma or a syphilitic process not only the skin but also the skeleton is destroyed, a saddle-nose with a great shortening results. Its correction demands a complicated plastic operation, which must substitute the skin defect, lengthen the nose, and equalize the saddle-deformation. For this purpose the author utilizes a pedicled frontal flap with skin duplicate. After transverse transection of the nose he sutures the pedicled skin duplicate, prepared in advance, into the nose defect. Four weeks later he cuts off the pedicle and the remnant of the flap is returned. Chytilová - Brno (IX, 11)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

ACTA MEDICA Sec.II Vol.10/2 Oto-Rhino-Laryngo Feb57

RETHI A.

279. RÉTHI A. Rhino-Laryngol. Dept., Budapest Rochus Hosp., Budapest. * An operation for cicatricial stenosis of the larynx J. LARYNG. 1956, 70/5 (283-293) Illus. 10

Description of a technique which consists in vertical division of the cricoid lamina

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posteriorly, the increased lumen thus obtained being maintained first by a Mikulicz tampon, then after the first three days by a special solid metal dilator whose construction in two parts provides for ease of insertion and constant positioning in relation to the tracheal cannula. After four weeks an indwelling rubber tube is employed until contracture of the increased lumen is no longer likely. The method has also been used with favourable results in stenosis due to bilateral recurrent paralysis of the larynx. Norris - Philadelphia, Pa.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec.11 Vol.10/6 Oto-Rhino-Laryngo Jun57

RETHI A.

1273. RETHI A. Budapest. * Le système musculaire stylo-pharyngien et la voix des bandes ventriculaires. The stylo-pharyngeal muscular system and ventricular-band phonation REV. LARYNG. (Bordeaux) 1956, 77/suppl. Mai nr. (473-475)

In cases of bilateral paralysis of the recurrens nerve, the ventricular bands can be used for phonation, but recurrens paralysis usually causes the appearance of a dyspnoeic syndrome. In the technique of the author, the vocal cords are fixed laterally. It is then possible that the ventricular bands, after crossing of the arytenoid cartilages, take on a phonatory function. The fundus of the pharyngolaryngeal groove comes up, the epiglottis descends and a mucous cushion is formed at the posterior wall of the pharynx, in connection with the presence of the stylo-pharyngeal muscle. It is the fibres of this muscle which by their action provoke the inward displacement of the arytenoid cartilages and after crossing of these cartilages permit the approach of the ventricular bands to each other. The stylo-pharyngeal muscular system is innervated by the glosso-pharyngeal nerve. It may sometimes occur that the vocal cords begin to resume their function while the ventricular-band voice persists. Such a situation can be remedied with a single injection of 5 ml. procaine with 1% adrenaline at the site where the palato-thyroido-pharyngeal fold described by the author crosses the pharyngeo-epiglottal fold.

Leroux-Robert - Paris

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec.9 Vol.11/11 Surgery Nov 5

RÉTHI A.

5820. RÉTHI A., Nasen-Kehlkopfabt., Semmelweis-(Rochus-)Krankenh., Budapest. Rekonstruktion der wiederholt erfolglos operierten Gaumenspalte. Reconstruction of the cleft palate repeatedly and unsuccessfully operated upon ZBL.CHIR. 1956, 81/44 (2267-2271) Illus. 6

Two methods are recommended. In both the cleft is repaired by the usual technique after excision of the scar tissue bordering the cleft. In one method the tension of the median sutures is lessened with the help of a nylon strip, which is passed under both flaps and sutured to their lateral sides. In the other method it may be necessary to sacrifice the anterior pedicle of one or both flaps. After their mobilization and median suture, 2 holes are drilled on each side on the median edge of the palate bone, through which a silk thread is passed; these threads were knotted on the lateral edge of both flaps, whereby the flaps are pressed together and promote union of the median suture.

Chytilová - Brno

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPTA MEDICA Sec.11 Vol.8/6 O.R.L. June 1955

1171. RÉTHI A. Laryngol. Abt., Budapest. *Stimmbandfüllung in Fällen von nichtnarbenbedingten Glottisspalten. Filling of the vocal cords in cases of non-cicatricial glottal fissures MSCHR.OHRENHEILK. 1954, 88/4 (295-300) Illus. 1

Excessive strain on the voice may lead to irreversible changes of the fibres of the musculus internus and to proliferation of connective tissue, so that the picture of internus paresis develops (laryngeal myasthenia). Severe cases may also lead to transversus paresis. A mixture of paraffin oil and vaseline is injected either directly or indirectly into the venter of the vocal cord by means of a personally modified Stern's syringe with a right-angled needle (the precise technique and method should be read in the original). The injection has sometimes to be repeated once or twice with intervals of 2 to 6 weeks. Good functional results were obtained in 32 cases.

Withalm - Vienna

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, Aurel, orvostudomanyok doktora.

Pharyngocervical angiomatosis. Orv. hetil. 96 no.52:1433-1436 25 Dec 55.

1. A Pestmegyei Tanacs Korhaza Orr-Gege Osztalyanak (igazgato: Puskas Elemer dr.) kozl.

(PHARYNX, neoplasms
angiomatosis, pharyngocervical (Hun))
(NECK, neoplasms
angiomatosis, pharyngocervical (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHI, Aurel, dr., az orvostudomanyok doktora.

Prevention of pneumonia in bulbar paralysis. Orv. hetil. 46 no.30: 817-820 24 July 55

1. A Pest megyei Tanacs Korhazanak (igazgato: Puskas Tibor dr.) Orr-gege Osztalyarol (foorvos: Rethi Aurel dr.) kozlemenye.

(PNEUMONIA, prevention and control
in bulbar paralysis)
(PARALYSIS
bulbar, prev. of pneumonia)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHL, Aurel, dr.

Laryngostomy aspiration in childhood. Fulorrgegegyogyaszat 9 no.1: 1-7 Mr '63.

1. A Semmelweis (Rokus) Korhaz Orr-gegeszeti es Bronchologiai Osztalyanak kozlemenye (foorvos: Rethi Aurel dr.).
(TRACHEOSTOMY) (LARYNGOSTENOSIS)
(SKIN TRANSPLANTATION)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHLY, ANTAL

Réthly, Antal. Conrad professzor 80 éves. [Professor Conrad, octogenarian.] *Időjárás*, Budapest, 60(4):248-249, July/Aug. 1956. DLC—Victor Conrad is one of the most outstanding representatives of the Viennese school of meteorologists created by HANN. Since 1901 he has been active both in climatology and in seismology, first in Austria and since 1940 at Harvard University. His outstanding work is Methods in Climatology (1944 and 1950)... *Subject Headings:* 1. Biography 2. Conrad, Victor.—*G.T.*

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

Réthly, Antal

8.1–47 551.5:92

Réthly, Antal, Emlékezés Fraunhoffer Lajosra születésének 90. évfordulóján. [Commemoration of the 90th anniversary of the birth of Lajos Fraunhoffer.] *Időjárás*, Budapest, 59(2): 116–119, March/April 1955. photo. DWB—FRAUNHOFFER (1889–1947) was one of the pioneers, and for a long time a deputy director, of the Hungarian Meteorological Institute. Outstanding among his publications is a climatological monograph on temperature conditions of Hungary which he wrote in collaboration with Z. RÓNA and which, perhaps, is the most outstanding classic of Hungarian meteorological literature. *Subject Headings:* 1. Biography 2. Fraunhoffer, Lajos.—*G.T.*

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHLY, A.

Hailstones of peculiar structure. p. 120. Vol. 60, No. 2 Mar/Apr. 1956. Budapest, Hungary. IDOJARAS.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1 January 1956.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

[redacted], A.

[redacted], A. Prof[redacted] Council is 50 years old. p. 243.

Vol. [redacted], No. [redacted], Jul, Aug, 1957
[redacted]
[redacted]
Industrial Hygiene

Soc. Inst. Surgical Anesthetists, Vol. 1, No. 2, Feb. 1957

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHLY, A.

Pal Kitaibel, the pioneer geophysicist; a lecture given at the commemorative session of the Hungarian Academy of Sciences on June 8, 1957. p. 133.

A MAGYAR TUDOMANYOS AKADEMIA V. OSZTALYA BIOLOGIAI CSOPORTJANAK KOZLEMENYEI. Budapest, Hungary. Vol. 2, no. 2, 1958.

Monthly List of East European Accession (EEAI), LC, Vol. 9, no. 2, Feb. 1960

Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHLY, ANTAL.

Rethly, Antal, A Karpatmedencek foldrengesei (455-1918). Budapest, Akademiai Kiado, 1952. 510 p. (The earthquakes of the Carpathian basins, 455-1918)

SO: Monthly list of East European Accessions, LC, Vol. 3, No. 1, Jan. 1954, Uncl.

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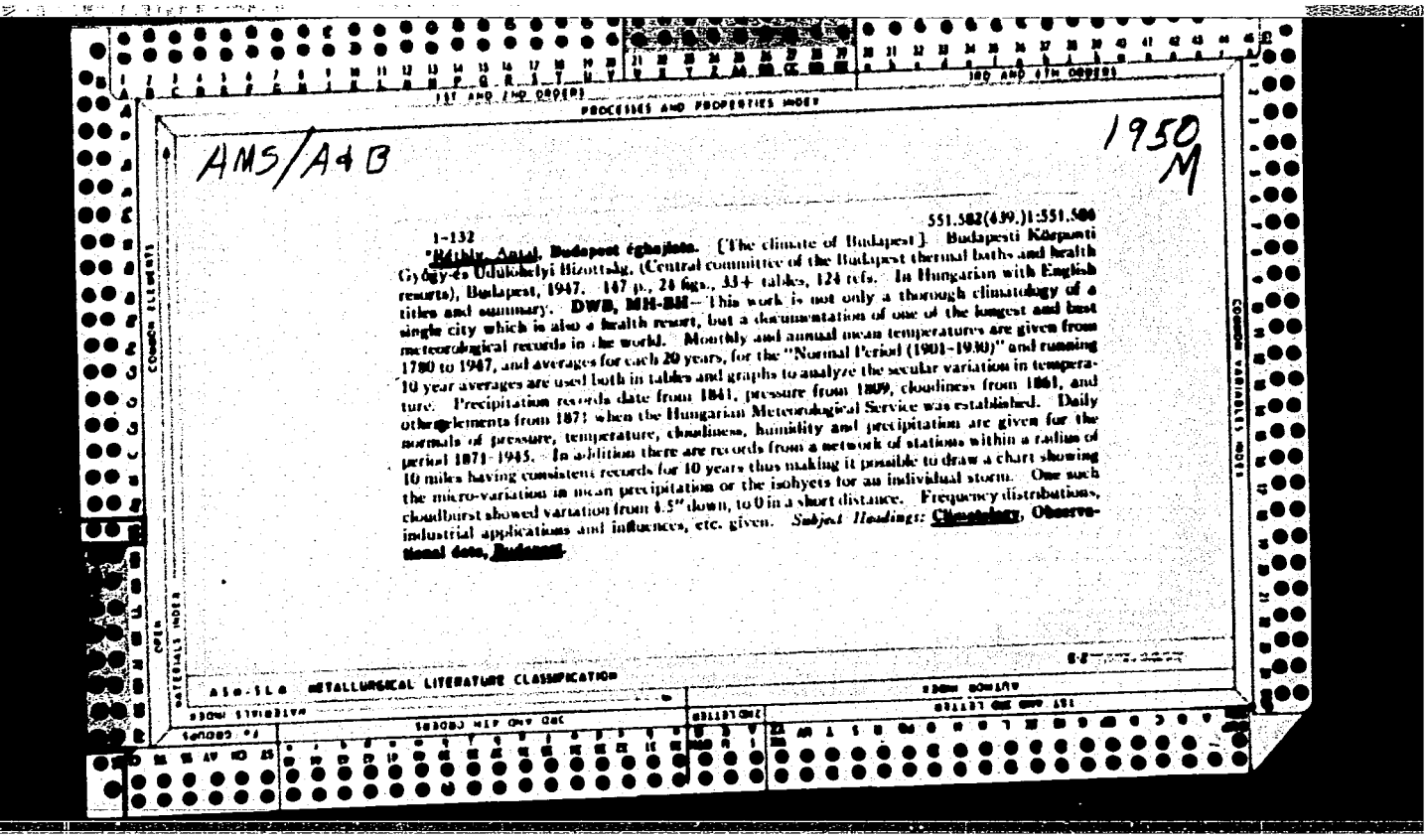

AMS/A&B

1950
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551.582(439.)1:551.506

1-132

*Hévíz, Aqual. Budapest éghajlata. (The climate of Budapest.) Budapesti Központi Gyógy-és Üdülőhelyi Bizottság. (Central committee of the Budapest thermal baths and health resorts), Budapest, 1947. 147 p., 28 figs., 33+ tables, 124 refs. In Hungarian with English titles and summary. DWB, MH-BH— This work is not only a thorough climatology of a single city which is also a health resort, but a documentation of one of the longest and best meteorological records in the world. Monthly and annual mean temperatures are given from 1780 to 1947, and averages for each 20 years, for the "Normal Period (1901-1930)" and running 10 year averages are used both in tables and graphs to analyze the secular variation in temperature. Precipitation records date from 1841, pressure from 1809, cloudiness from 1861, and other elements from 1871 when the Hungarian Meteorological Service was established. Daily normals of pressure, temperature, cloudiness, humidity and precipitation are given for the period 1871-1945. In addition there are records from a network of stations within a radius of 10 miles having consistent records for 10 years thus making it possible to draw a chart showing the micro-variation in mean precipitation or the isohyets for an individual storm. One such cloudburst showed variation from 4.5" down, to 0 in a short distance. Frequency distributions, industrial applications and influences, etc. given. *Subject Headings:* Climatology, Observational data, Budapest.

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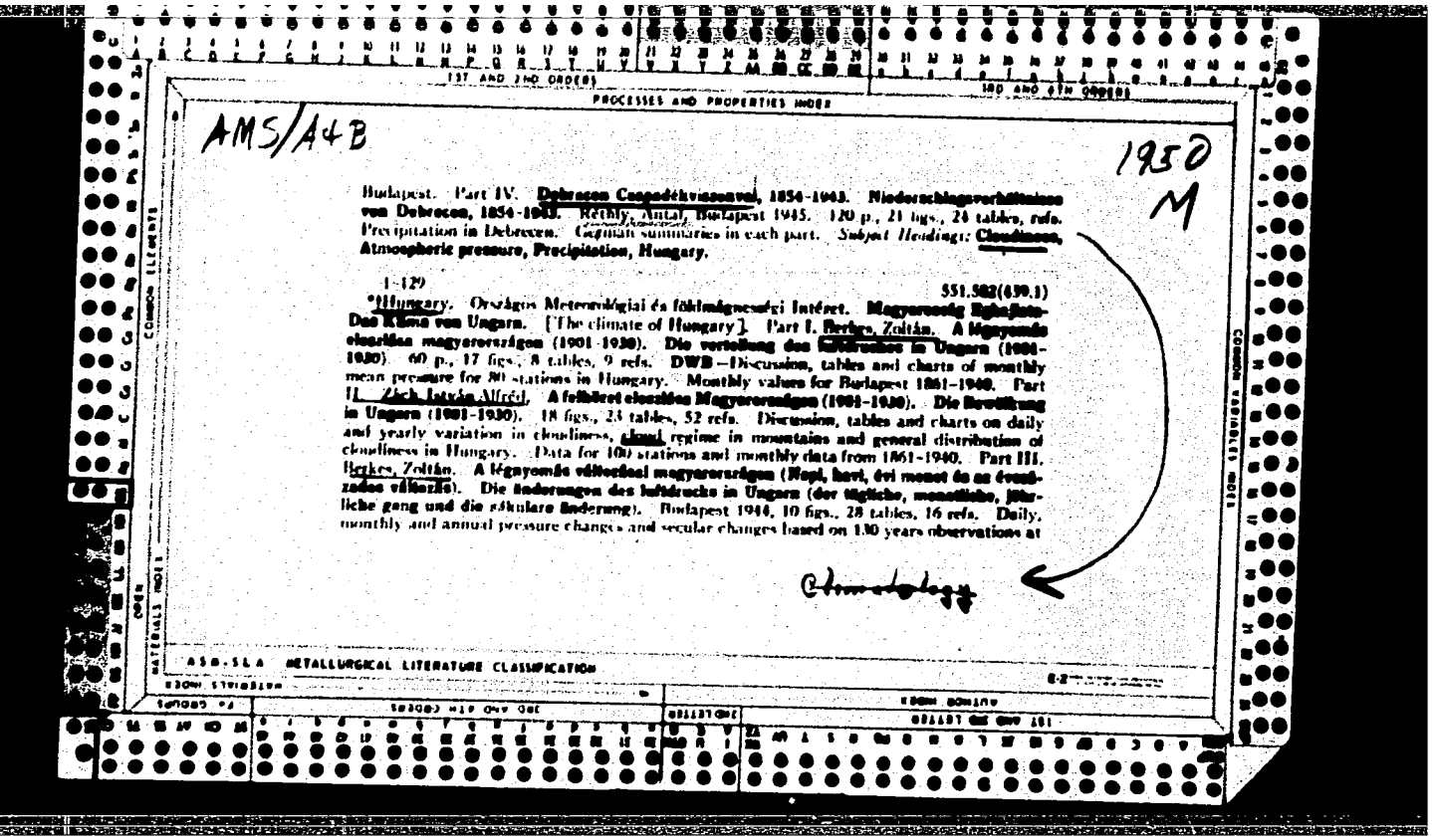

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Budapest. Part IV. Debrecen Cegnadéhviszonyai, 1854-1943. Niederschlagsverhältnisse von Debrecen, 1854-1943. Réthly, Antal. Budapest 1945. 120 p., 21 figs., 24 tables, refs. Precipitation in Debrecen. German summaries in each part. *Subject Headings:* Cloudiness, Atmospheric pressure, Precipitation, Hungary.

1-129 551.582(439.1)

*Hungary. Országos Meteorológiai és földmágnességi Intézet. Magyarország éghajlata. Das Klima von Ungarn. [The climate of Hungary.] Part I. Berkes, Zoltán. A légnyomás eloszlása magyarországon (1901-1930). Die verteilung des Luftdruckes in Ungarn (1901-1930). 60 p., 17 figs., 8 tables, 9 refs. DWB—Discussion, tables and charts of monthly mean pressure for 80 stations in Hungary. Monthly values for Budapest 1861-1940. Part II. Zách, István Alfréd. A felhőzet eloszlása Magyarországon (1901-1930). Die Bewölkung in Ungarn (1901-1930). 18 figs., 24 tables, 52 refs. Discussion, tables and charts on daily and yearly variation in cloudiness, cloud regime in mountains and general distribution of cloudiness in Hungary. Data for 100 stations and monthly data from 1861-1940. Part III. Berkes, Zoltán. A légnyomás változásai magyarországon (Napi, havi, évi menet és az évszázados változás). Die änderungen des luftdrucks in Ungarn (der tägliche, monatliche, jährliche gang und die säkulare änderung). Budapest 1946. 10 figs., 28 tables, 16 refs. Daily, monthly and annual pressure changes and secular changes based on 130 years observations at

Climatology

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHLY, Antal; BERKES, Zoltan

Polar light phenomena in Hungary, 1523-1960. Muszaki kozl MTA 34 no. 1/2: 37-53 '64.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

VACZI, L.; RETHY, A.; REDAI, I.

Fatty acids in enteric bacteria. Acta microbiol. acad. sci. Hung. 11 no.4:375-382 '64-'65.

1. Institute of Microbiology (Director: L. Vaczi), University Medical School, Debrecen.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

VACZI,L.; MAKLEIT, Jolan K.; RETHY, A.; REDAI I.

Studies on lipids in Pseudomonas pyocyanea. Acta microbiol. acad. sci.Hung. 11 no.4:381-390 '64-'65

1. Institute of Microbiology (Director: L. Vaczi), University Medical School, Debrecen.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

MAKLEIT, Jolan, K.; RETHY, A.; RICHTER, P.

Thin layer and gas chromatographic analysis of syphilis antigens. Acta microbiol. acad. sci. Hung. 11 no.4:341-350 '64.'65

1. Institute of Microbiology (Director: L. Vaczi), University Medical school, Debrecen, and Institute Human for Vaccine Production and Research (Director: G. Veres), Budapest.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

Réthly, Endre

8K-98 551.586:616

Réthly, Endre, Beziehungen der ansteckenden Krankheiten zur Witterung mit besonderer Berücksichtigung der Heine-Medinschen Epidemien in Ungarn in den Jahren 1931–1947. [Relations of infectious diseases to weather with special reference to the Heine-Medin epidemics in Hungary 1931–1947.] *Archiv für Meteorologie, Geophysik und Bioklimatologie, Ser. B,* 2(3):279–290, 1950. 3 tables, 13 refs. German, English and French summaries p. 279–280. DWB—A brief discussion of the relationship between climate and weather and the occurrence and spread of infectious and non-infectious diseases is followed by a summary of some studies in the relationship between the incidence of poliomyelitis and weather. The author analyzes the relationship between weather and climate and endemic poliomyelitis (Heine-Medin disease) in Hungary on the basis of a 17 year record. Statistical data are presented on the monthly incidence of polio for each year of the period 1931–1947; the annual incidence by city and department in each year of the given period and the weather characteristics of the months with the highest incidence of polio (deviation of the monthly mean temperature from the 30 year mean days with maximum temperature $\geq 30°C$, and character of the month, whether rainy, dry, etc.). The author found that the epidemic shows a distinct seasonal character since it manifests itself either during the late summer or early fall. The epidemics in Hungary show no relation to fronts or surfaces of subsidence. Most cases of polio occurred when dry months were a little more frequent. There is some indication of a double wave during a sunspot period. The disease was found to be most frequent in the northern and northeastern regions of Hungary which are relatively cooler and richer in precipitation. (*Same item as* 2.2–150, Feb. 1951, *BAB.*) *Subject Headings:* 1. Weather effects on poliomyelitis 2. Poliomyelitis.—*I.L.D.*

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

VACZI, L.; FODOR, M.; RETHY, A.

Effect of lipase on the sensitivity and activity of Staphylococcus aureus. Kiserletes Orvostud. 12 no.5:493-498 O'60.

1. Debreceni Orvostudomanyi Egyetem Mikrobiologiai Intezete.
(STAPHYLOCOCCUS pharmacol)
(LIPASES pharmacol)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

VACZI, L.; FODOR, M.; MILCH, Hedda; RETHY, A.

Studies on the mercuric chloride resistance of Staphylococcus aureus.
Acta microb. 9 no.1:81-87 '62.

1. Institute of Microbiology, University Medical School, Debrecen (Director: L. Vaczi). and State Institute of Hygiene, Budapest (Director: T. Bakacs).
(STAPHYLOCOCCUS pharmacology) (MERCURY pharmacology)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

VACZI, L.; FODOR, M.; RETHY, A.; HOLLOS, I.

Studies on the amino acid composition of the cell wall of E. coli O:111 strains with different antibiotic sensitivity. Acta microb. hung. 7 no.3:297-306 '60.

1. Institute of Microbiology, University Medical School, Debrecen, and State Institute of Hygiene, Budapest.
(ESCHERICHIA COLI chem)
(ANTIBIOTICS pharmacol)
(AMINO ACIDS chem)

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L 00699-67 T JK
ACC NR: AP6035482 SOURCE CODE: HU/0028/66/013/001/0079/0084

VACZI, Lajos, and RETHY, Aladar, Institute of Microbiology at the Medical University (Director: VACZI, L.) in Debrecen; and KIRALY, Kalman, Research Institute of Dermatology and Venereology (Director: FOLDVARY, F.) in Budapest [original-language versions not given].

2-6
B

"Lipid Composition of Treponemal Strains"

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol 13, No 1, 2 Jun 1966, pp 79-84.

Abstract: [English article] The lipid composition of Treponema pallidum, T. reiteri, T. kazani 5, T. minutum, and T. refringentis has been investigated by thin-layer and gas-liquid chromatography by employing the test techniques described by VACZI, L., MAKLEIT, J. K., RETHY, A., and REDAI, I., Ibid., Vol 11, 1964-1965, p 384. The fatty-acid complement, similar in all strains, consisted mainly of palmitic, oleic, and oleinic acid. The phospholipid complement varied considerably between strains. The unsaturated fatty acid composition of the Treponema was very similar to that of Streptococci. The significance of the lipid component in cell metabolism was discussed. The results were presented. Orig. art. has: 4 figures and 1 table. [JPRS: 36,834]

TOPIC TAGS: bacteria, fatty acid, chromatography
SUB CODE: 06 / SUBM DATE: 07Dec65 / ORIG REF: 001 / OTH REF: 007

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HUNGARY

VACZI, Lajos, REDAI, Imre, RETHY, Antal, KISS, Jolan; Medical University of Debrecen, Institute of Microbiology (director: VACZI, L.) (Debreceni Orvostudomanyi Egyetem, Mikrobiologiai Intezet).

"Studies of the Relationship Between Lipid Constituents and Biological Properties of Proteus Bacteria."

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol XII, No 4, 1965/66, pages 319-326.

Abstract: [English article, authors' English summary modified] The total lipid and phosphatide content, and fatty acid spectrum of 5 different Proteus strains was examined. 1) The total lipid content varied between 5.5-7.5 per cent, their phosphatide content between 4-4.9 per cent. 2) All 5 strains contained 4 phosphatide components: cardiolipin, cephalin, lecithin and lysocephalin. The quantitative relationships varied with the individual strains. 3) The lipid components of the strains examined are built up from essentially the same fatty acids. The bulk is represented by myristic acid, β-OH-myristic acid, palmitic acid and fatty acids C_{17} and C_{19} containing cyclopropane rings. 4) There is a conspicuous prevalence of long-chain fatty acids and special fatty acids while unsaturated fatty acids are present in low quantities. 5) Conclusions were reached concerning the relationship between the quality and quantity of bacterial lipids, and bacterial membrane permeability and resistance. 2 Hungarian, 3 Western

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, E.

"Synthetic linear polymers. VII. Kinetic process of block polymerization of methyl methacrylate dissolved by initiatior-activator systems." In German, p. 37

PERIODICA POLYTECHNICA. (Budapesti Muszaki Egyetem) Budapest, Hungary
Vol. 3, No. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959
Uncl.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, E.; GECZY, I.

Synthetic linear polymers. VII. Kinetic process of block polymerization caused by methylmethacrylate initiator-activator systems. p. 175.

Magyar Tudomanyos Akademia. Kemiai Tudomanyok Osztalya. KOZLEMENYEI. Budapest, Hungary, Vol. 10, No. 2, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959
UNCL

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, E

Distr: 4E2c(j)

146. Synthetic linear polymers. The effect of the concentration of initiator-activator systems on the gross rate of reaction measured at the initial stage in the block polymerization of methyl methacrylate. I. Géczy, E. Réthy. *Magyar Kémiai Folyóirat*. Vol. 64, 1958, No. 1, pp. 24—29, 7 figs., 3 tabs.

The block polimerization of methyl methacrylate was studied at 20 and 40° C in the presence of benzoyl peroxide using dimethyl aniline, benzenesulphinic acid and *p*-toluenesulphinic acid activators. It was found that for the initial stage of the overall reaction rate the following expressions are valid: (*a*) for amine activators $v = k[Bz_2O_2]^m[A]^m$ where the value of k increases and that of m decreases at higher temperatures; (*b*) for sulphinic acid activators $v = k[Bz_2O_2]^{0.5}[S] + C_0$ where k and C_0 increase with the temperature and the values of the exponents are independent of it.

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145. Synthetic linear polymers. Investigation of the setting of methyl methacrylate monomer and polymer mixtures in the presence of benzoyl peroxide by the action of tetralkyl-diamino-diaryl activators. É. Réthy, I. Géczy. *Magyar Kémiai Folyóirat*. Vol. 64, 1958, No. 1, pp. 19—23, 2 figs., 1 tab.

The activating influence of aromatic tertiary diamines was investigated on the benzoyl peroxide-initiated polymerization of methyl methacrylate at room temperature. Amines more effective than those published in technical literature were found. A very quick reaction can be obtained with these diamine activators in the polymerization of monomer-polymer mixtures. Complete curing takes place in 10—15 min, even in polymerizations carried out at 24° C. The effectiveness of the activators was compared. In addition to measuring the conversion in one hour or in the case of monomer-polymer mixtures, the time necessary for attaining the temperature maximum a new method has also been applied besides the conventional ones. Increase of internal friction produced by the polimerization process was measured in monomer-polymer mixtures by means of a microplastometer. The effectiveness of the initiator-activator system was estimated from the form of the curves representing the change of internal friction *vs.* time and from the incline of the curves. Use of the microplastometer has the advantage that a measurement can be quickly performed and with its aid the optimum concentrations of the employed initiator-activator systems can be determined.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, E.

Distr: 4E2c(j)

146. Synthetic linear polymers. The effect of the concentration of initiator-activator systems on the gross rate of reaction measured at the initial stage in the block polymerization of methyl methacrylate. I. Géczy, E. Réthy. *Magyar Kémiai Folyóirat*. Vol. 64, 1958, No. 1, pp. 24-29, 7 figs., 3 tabs.

The block polimerization of methyl methacrylate was studied at 20 and 40° C in the presence of benzoyl peroxide using dimethyl aniline, benzenesulphinic acid and *p*-toluenesulphinic acid activators. It was found that for the initial stage of the overall reaction rate the following expressions are valid: (*a*) for amine activators $v = k[Bz_2O_2]^m[A]^m$ where the value of k increases and that of m decreases at higher temperatures; (*b*) for sulphinic acid activators $v = k[Bz_2O_2]^{0.5}[S] + C_0$ where k and C_0 increase with the temperature and the values of the exponents are independent of it.

RB VI

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

I

Country : Hungary
Category : High Molecular Chemistry

48340

Abs. Jour. :

Author : Geczy, I.; Rethy, E.
Institut. : Hungarian Academy of Sciences
Title : Synthetic Linear Polymers.VII. Kinetics of Bulk Polymerization of Methylmetacrylate Induced by Systems of Initiators and Activators.
Orig. Pub. : Magyar tud. akad. Kem. tud. oszt. kozl., 1958, 10, No 2, 175-185

Abstract : Curves of the reaction of transformation of methylmetacrylate to a polymer, in all the instances under study (different initiator-activator systems), at 20 and 40°, are of identical nature: first a steep ascent, then an almost horizontal portion and ~ 10-15% transformation again a steep ascent (polymer was determined by precipitation with light gasoline). In the stage studied by the authors (up to the second ascent) reaction velocity is proportional to the square of monomer concentration $(M)^2$, and there is a linear correlation between length of time and 1/(M). To interprete these facts the authors make the assumption that during the

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

VANCSONE SZMERCSANYI, Ibolya; RETHY, Eszter

Properties of polyester-contacts resins with diphenic acid base with special regard to heat resistance. Magy kem lap 16 no.12:555-559 D '61.
1. Muanyagipari Kutato Intezet.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Eszter (Budapest); GECZY, Istvan, a demiai tudomanyok kandidatusa (Budapest)

Synthetic linear polymers. VIII. Application of metal resinates in the block polymerization accelerated by methyl methacrylate metal redox systems. Kem tud kozl MTA 13 no.2:173-178 '60. (EEAI 9:8)

1. Szerves Vegyipari es Muanyagipari Kutato Intezet, Budapest es Vegyimuveket Tervezo Vallalat, Budapest.

(Polymers and polymerization)
(Gums and resins, Synthetic) (Methyl methacrylate)
(Benzoyl peroxide) (Cyclohexyl hydroperoxide)
(Acetone peroxide) (Tvimethyl benzyl hydroperoxide)
(Benzoin) (Iron) (Lead) (Butyl hydroperoxide)
(Copper) (Cobalt) (Manganese)

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I

HUNGARY/High Molecular Chemistry.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 7027.

Author : IV: Ballo, Rudolf; Geczy, Istvan. V: Rethy, Eszter; Geczy, Istvan. VI: Geczy, Istvan; Rethy, Eszter.

Inst :

Title : Synthetic Linear Polymers. IV. Changes in Process of Condensation and in Mechanical Properties of Cast Resins from Phenol-Formaldehyde Plastic Depending on Composition of Reaction Mixture. V. Effect of Tetraalkyldiaminodiaryl Activators on Polymerization of Mixture of Methylmethacrylate with Polymethylmethacrylate in Presence of Benzoyl Perocide. VI. Effect of Concentration of Initiator and Activator on Starting Rate of Block-Polymerization of Methylmethacrylate.

Orig Pub: Magyar kem. folyoirat, 1957, 63, No 12, 351-357; 1958, 64, No 1, 19-23; 24-29; Makromolek. chem., 1958, 25, No 3, 176-185; 186-198.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

I

HUNGARY/High Molecular Chemistry.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 7027.

IV. The dependence of properties of cast resins from phenol-formaldehyde plastic on the molecular ratio of phenol and formaldehyde was studied. It was established that the impact viscosity of a bar with an incision, the hardness, the rupturing elongation and the heat resistance of a resin prepared from a reaction mixture phenol - formaldehyde in the molecular ration of 1 : 2 are greater than those of resins prepared from said mixtures in the molecular ratio of 1 : 2 [sic]. The magnitude of the above mentioned properties is the greatest in the case of resins prepared from the reaction mixture in the ratio of phenol to formaldehyde equal to 1 : 2.5 and in the presence of 1 - 1.5% of the catalyst. Further increase in the amount of the catalyst

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

USSR/ High Molecular Chemistry.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 7027.

influences the mechanical properties of the forming resins but insignificantly.

V. The accelerating effect of aromatic tertiary diamines (Michler's ketone, tetramethylbenzidine, tetramethyldiaminobenzhydrol, p-aminodimethylaniline, tetraethylbenzidine, p-aminodiethylaniline and others) on the polymerization of methylmethacrylate initiated by benzoyl peroxide was studied. The reaction rate was determined by measuring the internal friction of the reaction mixture with a microplastometer of Gepler [transliteration from Russian] ..... .

VI. The block-copolymerization of methylmethacrylate initiated by the system benzoyl peroxide - dimethyl-

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

HUNGARY/High Molecular Chemistry. I.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 7027.

aniline (diethylaniline, benzenesulfonic acid, p-toluenesulfinic acid) was studied at 20 and 40°. It was found that the initial reaction rate V can be expressed in the case of amine activators by the equation $V = K(PB)^{m}(A)^{n}$, where (PB) and (A) are the concentrations of benzoyl peroxide and amine, and the index n decreases with the increase in the temperature. In the case of sulfonic activators, the equation $V = K(PB)^{2}S + C_c$ was found; the constant C_c increases with the temperature. See RZhKhim, 1958, 31285 for the part III. - Author's summary.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

S/194/62/000/009/043/100
D256/D308

AUTHORS: Kertész, Ferenc and Réthy, Eszter

TITLE: A method for sealing leads (Patent)

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 9, 1962, 17-18, abstract 9-3-34 e (Hung. pat., cl. 21 c, 1-19, no. 147868, December 30, 1960)

TEXT: A design for a coaxial sealed leadout is presented, the seal being obtained by using Eporesit K5 epoxy resin setting at 130 - 180°C. [Abstracter's note: Complete translation.]

Card 1/1

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21425
H/006/61/000/012/001/001
D286/D304

15811D

AUTHORS: Vancsó née Szmercsányi, Ibolya and Réthy, Eszter

TITLE: Properties of diphenic acid polyester resins, in particular their heat resistance

PERIODICAL: Magyar kémikusok lapja, no. 12, 1961, 555-559

TEXT: The article deals with experiments carried out at the Müanyagipari kutató intézet (Plastics Industry Research Institute) in Budapest to produce polyester resins of high heat resistance. Diphenic acid, maleic anhydride and ethylene glycol were used in varying proportions. Condensation polymerization was carried out at 180-210°C without a catalyst in a carbon dioxide stream resulting in a product with the acid number 45. Experiments showed that the optimum Vicat softening point as well as the optimum Brinnel hardness of 1,825 Kg/sq cm was obtained with a polyester composed of 25% maleic anhydride, 47.1%

Card 1/3

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Properties of diphenic ...

diphenic acid and 27.9% ethylene glycol. The copolymerization was made with styrene, the polyester monomer ratio being 65:35, and 1% benzoyl peroxide as initiator. Another experiment showed that the heat resistance values of the diphenic acid polyester are highest when copolymerization is carried out in the presence of an inhibitor. The Vicat softening point of the polyester copolymerized with diallyl phthalate was 280°C and the optimum heat resistance was obtained with resins produced by copolymerization with thriallyl cyanurate. The heat resistance of the copolymer of diethylene glycol maleate-fumarate and styrene was tested in relation to the fumarate content. Best results were obtained with a polyester of the following composition: 67% fumarate, 1 mol maleic anhydride, 1 mol diethylene glycol and 1% benzoyl peroxide. The acid number was 36. The Vicat softening point was 250°C, Bhn, 870 kg/sq cm and the compressive strength, 2,400 kg/sq cm. It was also found that the Vicat

Card 2/3

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Properties of diphenic ...

softening point increases with the increase of the molecular weight. Tests with the Zilles diamond abrasion machine showed, after 10 minutes of operation at 500 g loading, an abrasion of 120 mg/sq cm. Diphenic acid used in the experiments was produced by the Szerves vegyipari kutató intézet (Organic Chemical Industry Research Institute) and supplied by Doctor István Back and Mrs. László Schéra. The authors express their thanks to Doctor Ede Laczko, head of the Mechanical Laboratory of the Plastics Industry Research Institute for his assistance in the mechanical and heat resistance tests. There are 9 figures, 6 tables and 9 references: 3 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: A.D. Anderson and E.S. Freeman: J. Appl. Pol. Sci., 1, 192-199, 1959; A.D. Anderson and E.S. Freeman: Anal. Chem. 31, 1697-1700, 1959; S.L. Madorsky: J.Pol.Sci., 9, 133-156, 1952.

ASSOCIATION: Müanyagipari kutató intézet(Plastics Industry Research Institute)

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RETHY, Istvan, dr.

Various types of hypertension differentiated on basis of the blood pressure measured in ciliary arteries. Orv. hetil. 106 no.29: 1351-1355 18 Jl'65.

1. Budapesti Orvostudomanyi Egyetem, II. Szemklinika (igazgato: Nonay, Tibor, dr.) es Bautzen Korhaz, NDK, Szemeszeti Osztaly (foorvos: Rethy, Istvan, dr.).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Istvan, dr.; GAL, Zsuzsanna, dr.

On the possibilities of correcting strabismus with eyeglasses. Orv. hetil. 106 no.41:1943-1945 10 O '65.

1. NDK Bautzeni Korhaz, Szemeszeti Osztaly (foorvos: Rethy, Istvan, dr.).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Istvan

New test for the prevention of expulsive hemorrhages. The importance of ciliary blood pressure determination before eye surgery. Szemeszet 100 no.3:185-190 S '63.

1. Budapesti Orvostudomanyi Egyetem II sz. Szemklinikajanak (Igazgato: Nonay Tibor egyetemi tanar), es a bautzeni (NDK) Kreiskrankhaus szemosztalyanak kozlemenye.

(OPHTHALMIC ARTERY) (CILIARY BODY)
(BLOOD PRESSURE DETERMINATION) (EYE)
(SURGERY, OPERATIVE)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Istvan, dr.

Decrease of blood pressure in small arteries due to aging. Orv. hetil. 104 no.13:591-594 31 Mr '63.

1. Budapesti Orvostudomanyi Egyetem, II. Szemklinika.
(BLOOD PRESSURE DETERMINATION) (AGING) (OPHTHALMIC ARTERY)
(HYPOTENSION) (ARTERIOSCLEROSIS)

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HUNGARY

BETHY, Istvan, Dr; Medical University of Budapest, II. Eye Clinic (Budapesti Orvostudomanyi Egyetem, II. Szemklinika).

"The Decrease of Blood Pressure with Age in the Small Arteries."

Budapest, Orvosi Hetilap, Vol 104, No 13, 31 Mar 63, pages 591-594.

Abstract: [Author's Hungarian summary] With the help of vasotonometry, that is, the ciliar method of blood pressure measurement the authors showed a gradual decrease of peripheral blood pressure with increasing age. A counterbalance of this is attempted by the increase of the arterial pressure in the arm. The phenomenon is observed in relation to the decrease of elasticity of the arterial vessel system. 3 Hungarian, 3 Western references.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Istvan, dr.

A new apparatus of the measurement of episcleral blood pressure.
Orv hetil 101 no.23:809-810 5 Je '60.

1. Budapesti Orvostudomanyi Egyetem, II. sz. Szemklinika
(EYE blood supply)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

EXCERPT A MEDICA Sec.12 Vol.9/7 Ophthalmology Jul 55

1086. RÉTHY I. Dept. of Ophthalmol., István Hosp., Budapest. * Fiatalkori diabetes első tüneteként észlelt ideghártyavérzés és katarakta esete. Haemorrhage of the retina and cataract as first symptoms of juvenile diabetes SZEMÉSZET 1954, 91/4 (174-176)

A 25-year-old woman suffered a severe pool-like haemorrhage of the retina on the right side and many punctate haemorrhages on the left one. Seven days later, fine rodlike opacities appeared in the equatorial part of the lens under the anterior and posterior capsule. Urine was negative. On the 13th day of the illness in the urine 1.9% sugar appeared, blood sugar 209 mg. per 100 ml. The sugar-loading curve was characteristic of diabetes. After 2 days of diet and insulin urine was negative, blood sugar 84 mg. per 100 ml. The further development of cataract and haemorrhage was stopped. Later on the patient became pregnant. In the 8th month of pregnancy premature birth began, but it was terminated by caesarian section. The night after the operation death from acute circulatory failure. No other lesion such as status thymicolymphaticus was found post-mortem. Author

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Istvan.

Case of retinal hemorrhage and of cataract as early manifestations of diabetes in a child. Szemeszet 91 no.4:174-176 Nov 54.

1. A fovarosi Istvan-korhaz szemeszeti osztalyanak kozlemenye. (Foorvos: Papolczy Ferenc, az orvostudomanyok kandidatusa)

(DIABETES MELLITUS, in infant and child, with retinal hemorrh. & cataract)
(RETINA, hemorrhage, in diabetes mellitus in child, with cataract)
(HEMORRHAGE, retina, in diabetes mellitus & cataract in child)
(CATARACT, in infant and child, in diabetes mellitus, with retinal hemorrh.)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Istvan; TAUSZK, Eva

Effect of drugs administered into the system on ciliary circulation. Szemeszet. 99 no.3:172-175 S '62.

1. Budapesti Orvostudomanyi Egyetem II. sz. Szemklinikaja (Igazgato: Nonay Tibor egyetemi tanar) kozlemenye.
(UVEA blood supply)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

PENTEK, Istvan, okl. kohomernok; RETHY, Karoly, okl. kohomernok

Hungarian experimental results in the application of natural gas in a blast furnace. Koh lap 95 no.1:24-30 Ja '62.

1. Koho- es Gepipari Miniszterium Kotechnikai Kutatoallomas es Lenin Kohaszati Muvek.

(Hungary—Gas, Natural) (Blast furnaces)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

BETHY, L.; RAUSS, K.; KETYI, I.; MAROCZI, J.

Studies on the immune effect of Shigella and tetanus antigens combined with "Booster" antigens. Acta microb.hung. 6 no.2: 93-101 '59.

1. Anatoxin Department, Research Institute «Human" for Vaccine Production, Budapest and Institute of Microbiology, Medical University, Pecs.

(DYSENTERY BACILLARY immunol.)
(TETANUS immunol.)
(ANTIGENS)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

L. Rethy, L.

Purification of diphtheria and tetanus toxoids by trichloroacetic acid. I. Purification of diphtheria toxoid. M. Surján and P. Richter (Hum. Inst. Prod. Research Serobact. Prepns., Budapest). *Acta Microbiol. Acad. Sci. Hung.* 1, 339–41 (1954) (in English).—The CCl_3COOH method of Boivin and Izard for purification of the diphtheria toxoid (rather than the toxin) is developed for large-scale production (100 l. per day in one lab. size Sharples centrifuge) with a 80% yield and a purity of 300 and 550 Lf per mg. of N, resp. The toxoid was pptd. at pH 4 and immediately centrifuged. The mean flocculation time tallied with that of the crude toxoid, provided the concd. material was dil. with 0.85% NaCl. II. Purification of tetanus toxoid. M. Surján, P. Richter, and L. Rethy, *ibid.*, 344–8; cf. Jacobs and Behan, *C.A.* 44, 10129a; Anderson and Yeu, *Ann. Inst. Pasteur* 79, 913 (1950).—Tetanus toxoid production on Taylor broth was purified with single pptn. by trichloroacetic acid at pH 3, resulting in a purity of 250–340 Lf per mg. of N, with a 67 to 100% yield. The purified tetanus toxoid ppts. prepd. do not sensitize against native serums; they give rise to an antitoxic titer of 2 to 8 units/ml. and are said to be suitable for the pptn. of combined antigens. G. Cornish

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, L AND OTHERS.

Studies on the immune effect of Shigells and tetanus antigens combined with booster antigens. In English. p. 93

ACTA MICROBIOLOGICA. (Magyar Tudomanyos Akademia) Budapest, Hungary.
Vol. 6, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 12, 1959.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RAUSS, Karoly, Dr.; JOO, Istvan, Dr.; KETYI, Ivan, Dr.; RETHY, Lajos, Dr.

Preparation and testing of the combined typhus-dysentery-tetanus vaccine and observations on its immunogenic effects. Orv. hetil. 99 no.33:1121-1126 17 Aug 58.

1. A Pecsi Orvostudomanyi Egyetem Mikrobiologiai Intezetenek (igazgato: Rauss Karoly dr. egyet. tanar) es a Human Oltoanyagtermelo es Kutato Intezet, Budapest (igazgato: Veres Gabor dr.) kozlemenye.

(DYSENTERY, BACILLARY, immunol.
dysentery-tetanus-typhoid vaccine prep., testing & immunogenic value (Hun))
(TETANUS, immunol.
tetanus-dysentery-typhoid vaccine prep., testing & immunogenic value (Hun))
(TYPHOID FEVER, immunol.
typhoid-dysentery-tetanus vaccine prep., testing & immunogenic value (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

Rethy, L.

Distr: 4E2c(j)

146. Synthetic linear polymers. The effect of the concentration of initiator-activator systems on the gross rate of reaction measured at the initial stage in the block polymerization of methyl methacrylate. I. Czéczy, P. Réthy. *Magyar Kémiai Folyóirat*. Vol. 64, 1958, No. [illegible] pp. 24–29. 7 figs., 3 tabs.

The block polimerization of methyl methacrylate was studied at 20 and 40° C in the presence of benzoyl peroxide, using dimethyl aniline, benzenesulphinic acid and *p*-toluenesulphinic acid activators. It was found that for the initial stage of the overall reaction rate the following expressions are valid: (*a*) for amine activators $r = k[Bz_2O_2]^{a}[A]^{m}$ where the value of k increases and that of a decreases at higher temperatures; (*b*) for sulphinic acid activators $r = k[Bz_2O_2]^{a}[S] + C_0$ where k and C_0 increase with the temperature and the values of the exponents are independent of it.

RB

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Lajos, dr.; MAROCZI, Jozsef, dr.; JOO, Istvan, dr.

Immunological interrelationships in simultaneous administration of Sabin's poliomyeleitis and combined diphtheria-tetanus-whooping cough vaccines. I. Effect of Sabin's poliomyeleitis vaccine on immunological effects of combined diphtheria-tetanus-whooping cough vaccine. Orv. hetil. 101 no.26:915-916 26 Je '60.

1. "Human" Oltoanyagtermelo es Kutato Intezet, Budapest.
(POLIOMYELITIS immunol.)
(DIPHTHERIA immunol.)
(TETANUS immunol.)
(WHOOPING COUGH immunol.)
(VACCINATION)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

SURJAN, Laszlone; RICHTER, Peter; RETHY, Lajos

Purification of tetanus anatoxin with trichloracetic acid method.
Kiserletes orvostud. 6 no.4:331-335 July 54.

1. Phylaxia Allami Oltoanyagtermelo Intezet.
(TETANUS
anatoxin, purification with trichloracetic acid)
(TRICHLORACETIC ACID
purification of tetanus anatoxin)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

KELEMEN, Geza, dr.; MAROCZI, Jozsef, dr.; PACSA, Sandor; RETHY, Lajos, dr.

Immunological effect of simultaneous administration of poliomyelitis and combined diphtheria-tetanus-pertussis vaccines. II. Effect of combined diphtheria-tetanus-pertussis vaccine on immunological activity of Sabin's monovalent poliomyelitis vaccine. Orv.hetil. 102 no.6:249-250 5 F'61.

1. Orvostudomanyi Egyetem, Mikrobiologiai Intezet, Pecs. Baranya megyei KOJAL. Viruslaboratorium, Pecs. Human Oltoanyagtermelo es Kutato Intezet, Budapest.

(VACCINATION)
(POLIOMYELITIS immunol)
(DIPHTHERIA immunol)
(TETANUS IMMUNOL)
(WHOOPING COUGH immunol)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Miklos

Development of the loading equipment on cargo vessels.
Jarmu-mezo gep 7 no.5 189-198 '60.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Miklos, okleveles gepeszmernok

Hydrostatic drives in the auxiliary deck machinery of cargo ships. Jarmu mezo gep 10 no.3:87-97 Mr '63.

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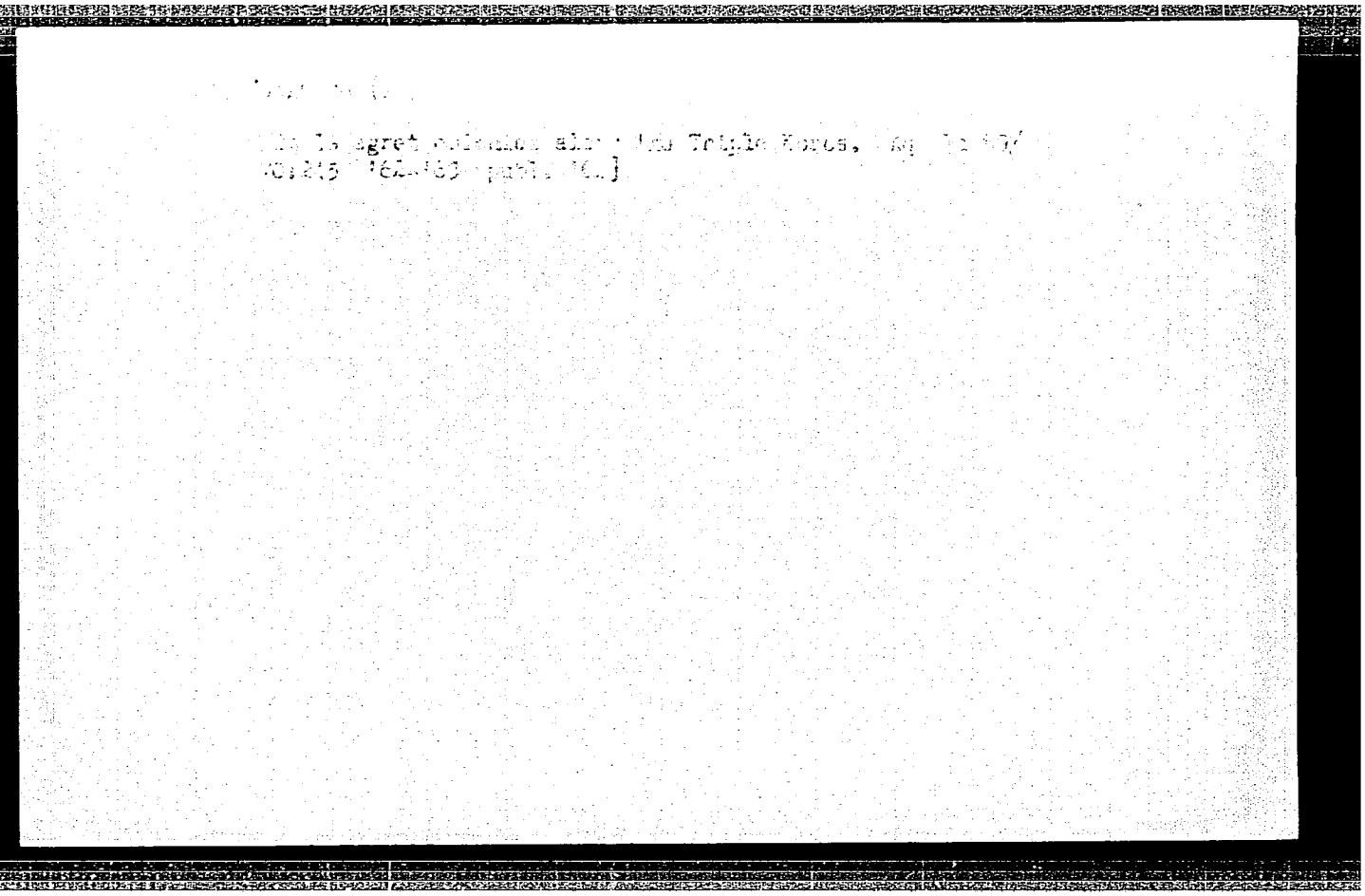

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

IVANYI, Janos, dr.; RETHLY, Nandor, dr.

Chloramphenicol intoxication complicated with severe hemorrhage.
Orv. hetil. 98 no.12:308-309 24 Mar 57.

1. A Jaszberenyi Varosi Korhaz Fertozo Osztalyanak (osztalyvezeto: Ivanyi, Janos, dr. foorvos) kozlemenye.
(CHLORAMPHENICOL, inj. eff.
hemorrh., severe (Hun))
(HEMORRHAGE, etiol. & pathogen.
chloramphenicol causing severe hemorrh. (Hun))

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHLY, E.

Practical value of the measurement of Q-T interval in ECG. Orv. hetil. 94 no.7:176-179 15 Feb 1953. (CLML 24:3)

1. Doctor. 2. First Internal Department (Head Physician -- Prof. Dr. Karoly Pakozay), National Rheumatism and Baths Institute (Director -- Dr. Kenes Dubovitz).

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RETHY, Lajos

3

HUNGARY

MAROCZI, Jozsef, Dr, REMKO, Aladar, Dr, RETHY, Lajos, Dr, KELEMEN, Geza, Dr, FACSA, Sandor, Dr; Human Vaccine Producing and Research Institute (Human Oltoanyagtermelo es Kutato Intezet), Budapest; Medical University of Pecs, Institute of Microbiology (Pecsi Orvostudomanyi Egyetem, Mikrobiologiai Intezet); Public Health and Epidemiological Station of Baranya megye, Virus Laboratory (Baranya megyei Kozegeszsegu- es Jarvanyugyi Allomas, Viruslaboratorium)

"Immunological Testing of Infants After Simultaneous Oral Polio and Smallpox Vaccination."

Budapest, Orvosi Hetilap, Vol 104, No 3, 20 Jan 63, pages 109-112.
Hungarian

Abstract: [Authors' summary modified] 23 infants were vaccinated with type 1 oral polio and smallpox simultaneously. The HAG antibody titer of the serum of 17 infants and the type 1 polio antibody titer of the serum of 19 infants has shown a minimal 4-fold increase 29 days later. They were unable to determine whether the type 1 polio virus antibody production was disadvantageously affected by the smallpox vaccination or vice versa. Reaction to the simultaneous vaccination was similar to that of smallpox reaction alone. [4 Western 6 Hungarian references]

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETHY, Zoltan, dr. (Pilisvorosvar)

Dynamism of mental activities. Magy pszichol szemle 20 no.3: 387-393 '63.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

HUNGARY

MAGYAR, Karoly, Dr., KOVACS, Pal, Pharmacist, RETHELYI, Jeno, Dr., and SIKET, Katalin, Dr., Therapeutical Institute and X-Ray Department (Gyogyintezet es Rontgen Osztaly) of the Hospital of the City Council (Varosi Tanacs Korhaz) in Keszthely (Director: SZUTRELY, Antal, Dr.).

"Our Results in the Treatment of Early Dumping Syndrome"

Budapest, Orvosi Hetilap, Vol 107, No 30, 24 Jul 1966, pp 1424-1426.

Abstract: Fifty-three patients were treated for early dumping syndrome, a frequent complication after stomach resection, by dietary means and local anesthetization of the anastomosis region. Favorable results were reported in 72% of the cases thus treated. There were three recurrences. In the case of 28 patients it was necessary to give carbutamide preparation in addition to the local anesthesia. 25 references, including 8 Hungarian, 4 German, and 13 Western.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

Mexico 1963. Repules 16 no.12:3-4 D '63.

1. Magyar Honvedelmi Sportszovetseg elnokhelyettese.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

In the interest of our immediate tasks. Repules 17 no.3: 3-4 Mr '64.

1. Magyar Honvedelmi Sportszovetseg elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

On the threshold of the new year. Repules 16 no.1:3 Ja '63.

1. Magyar Honvedelmi Sportszovetseg elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

The 55th Congress of International Federation of Aviation; Athens, September 26-October 2, 1962. Repules 15 no.11:4-5 N '62.

1. Magyar Honvedelmi Sportszovetseg elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

"Flight can start." Repules 15 no.4:6 Ap '62.

1. Magyar Honvedelmi Sportszovetseg orszagos elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

Barcelona - 1960. Repules 13 no.11:4 N '60.

1. A Magyar Honvedelmi Sportszovetseg elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

Let us make preparations for the 1962 2nd Motor Stunt Flying World Championship. Repules 15 no.4:4 Ap '62.

1. Magyar Honvedelmi Sportszovetseg elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

The International Aeronautic Federation confirms new space flight records. Repules 16 no.5:3-4 My '63.

1. Magyar Honvedelmi Sportszovetsag elnokhelyettese.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6

RETI, Antal

Hungary organizes the 1962 world championship in stunt flying. Repules 15 no.1:8 Ja '62.

(Stunt flying) (Hungary--Aeronautics)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001444710013-6"